

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1336	(DC adj offset) and (early samepunctual same late)	US-PGPUB; USPAT	OR	ON	2007/02/23 15:57
L2	5	(DC adj offset) and (early same punctual same late)	US-PGPUB; USPAT	OR	ON	2007/02/23 16:00
L3	1	"5566214".pn.	US-PGPUB; USPAT	OR	ON	2007/02/23 16:00
L4	17	("5566214").URPN.	USPAT	OR	OFF	2007/02/23 16:03
L5	0	375/319 and sunchronizer	USPAT	OR	OFF	2007/02/23 16:04
L6	9	375/319 and synchronizer	USPAT	OR	OFF	2007/02/23 16:07
L7	2	375/319.ccls. and synchronizer	USPAT	OR	OFF	2007/02/23 17:05
L8	1	"6792059".pn.	USPAT	OR	OFF	2007/02/23 17:03
L9	1	"5654991".pn.	USPAT	OR	OFF	2007/02/23 17:04
L10	1	"375"/\$.ccls. and (DC adj tracking adj loop)	USPAT	OR	OFF	2007/02/23 17:06
L11	2	(DC adj tracking adj loop)	USPAT	OR	OFF	2007/02/23 17:10
L12	2166	(early same late same timing)	USPAT	OR	OFF	2007/02/23 17:10
L13	0	(early same late same timing) and (DC adj compensat\$8)	USPAT	OR	OFF	2007/02/23 17:11
L14	47	(early same late same timing) and (DC adj offset)	USPAT	OR	OFF	2007/02/23 17:18
L15	313	(accumulator same tim\$5) and (DC adj offset)	USPAT	OR	OFF	2007/02/23 17:18
L16	0	((early adj accumulator) same tim\$5) and (DC adj offset)	USPAT	OR	OFF	2007/02/23 17:19
L17	0	((early with accumulator) same tim\$5) and (DC adj offset)	USPAT	OR	OFF	2007/02/23 17:19
L18	313	(( accumulator) same tim\$5) and (DC adj offset)	USPAT	OR	OFF	2007/02/23 17:19
L19	191	(( accumulator) with tim\$5) and (DC adj offset)	USPAT	OR	OFF	2007/02/23 17:19
L20	0	(( accumulator) with synchronizer) and (DC adj offset)	USPAT	OR	OFF	2007/02/23 17:19
L21	14	(( accumulator) same synchronizer) and (DC adj offset)	USPAT	OR	OFF	2007/02/23 17:21
L22	1	(( accumulator) same synchronizer) and (DC adj compensat\$5)	USPAT	OR	OFF	2007/02/23 17:21
L23	3	375/326.ccls. and (DC adj offset adj estimat\$8)	USPAT	OR	OFF	2007/02/23 17:24
L24	99	375/326.ccls. and (accumulator)	USPAT	OR	OFF	2007/02/23 17:24

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L25	8	375/326.ccls. and (accumulator) and (DC adj offset)	USPAT	OR	OFF	2007/02/23 18:25
L26	1	"6643336".pn.	USPAT	OR	OFF	2007/02/23 18:49
L27	1	"5818544".pn.	USPAT	OR	OFF	2007/02/23 18:49
S1	128	375/319.ccls.	US-PGPUB; USPAT	OR	ON	2005/04/21 16:42
S2	12	375/319.ccls. and accumulators	US-PGPUB; USPAT	OR	ON	2005/04/22 15:58
S3	2	375/319.ccls. and (plurality adj accumulators)	US-PGPUB; USPAT	OR	ON	2005/04/12 16:26
S4	1	375/317.ccls. and (current adj symbol) and (previous adj symbol)	US-PGPUB; USPAT	OR	ON	2005/04/18 13:34
S5	25	"375"/\$.ccls. and (DC adj offset) and (current adj symbol) and (previous adj symbol)	US-PGPUB; USPAT	OR	ON	2005/04/18 13:45
S6	0	"375"/\$.ccls. and ((DC adj offset) same (three adj symbol))	US-PGPUB; USPAT	OR	ON	2005/12/21 17:35
S7	160	"375"/\$.ccls. and ((DC adj offset) and (accumulators) and maxim\$5)	US-PGPUB; USPAT	OR	ON	2005/04/19 11:49
S8	5	"375"/\$.ccls. and ((DC adj offset) and (plurality adj accumulators) and maxim\$5)	US-PGPUB; USPAT	OR	ON	2005/04/18 13:40
S9	5	"375"/\$.ccls. and ((DC adj offset) and (plurality adj accumulators))	US-PGPUB; USPAT	OR	ON	2005/04/18 13:40
S10	13	((DC adj offset) and (plurality adj accumulators))	US-PGPUB; USPAT	OR	ON	2005/04/18 13:42
S11	7	((DC adj offset) same (plurality adj samples))	US-PGPUB; USPAT	OR	ON	2006/07/04 09:34
S12	0	((DC adj offset) same (three adj symbols))	US-PGPUB; USPAT	OR	ON	2005/04/18 13:44
S13	3	(DC adj offset) and (current adj symbol) and (previous adj symbol) and (next adj symbol)	US-PGPUB; USPAT	OR	ON	2005/04/18 14:20
S14	1	(DC adj offset) and (current adj sample) and (previous adj symbol) and (next adj symbol)	US-PGPUB; USPAT	OR	ON	2005/04/18 14:21
S15	13	(DC adj offset) same (accumulat\$ adj samples)	US-PGPUB; USPAT	OR	ON	2005/04/18 14:46
S16	3	"375"/\$.ccls. and ((DC adj offset) same (accumulat\$ adj samples))	US-PGPUB; USPAT	OR	ON	2005/04/18 15:15
S17	5	("4625240"   "5267272"   "5565932"   "5594760"   "5659582").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/18 14:55

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S18	5	"375"/\$.ccls. and (DC adj offset) and (accumulat\$ adj samples) and (compar\$ with accumul\$5)	US-PGPUB; USPAT	OR	ON	2005/04/18 15:18
S19	5	"375"/\$.ccls. and (DC adj offset) and (plurality adj accumulators)	US-PGPUB; USPAT	OR	ON	2005/04/18 15:19
S20	1	"455"/\$.ccls. and (DC adj offset) and (plurality adj accumulators)	US-PGPUB; USPAT	OR	ON	2005/04/18 15:21
S21	0	"455"/\$.ccls. and (DC adj offset) and (averag\$5 with (first adj samples)) and (averag\$5 with (second adj samples)) and (averag\$5 with (third adj sampl\$4))	US-PGPUB; USPAT	OR	ON	2005/04/18 15:22
S22	2	(DC adj offset) and (averag\$5 with (first adj samples)) and (averag\$5 with (second adj samples)) and (averag\$5 with (third adj sampl\$4))	US-PGPUB; USPAT	OR	ON	2005/04/19 16:36
S23	1	(DC adj track\$5) and (averag\$5 with (first adj samples)) and (averag\$5 with (second adj samples)) and (averag\$5 with (third adj sampl\$4))	US-PGPUB; USPAT	OR	ON	2005/04/18 15:28
S24	1	(DC adj track\$5) and (first adj samples adj sum) and (second adj sample adj sum) and (third adj sampl\$4)	US-PGPUB; USPAT	OR	ON	2005/04/18 15:29
S25	0	(DC adj track\$5) and (first adj symbol) and (second adj symbol) and (third adj symbol)	US-PGPUB; USPAT	OR	ON	2005/04/18 15:30
S26	2	(DC adj offset adj compensat\$5) and (plurality adj accumulators)	US-PGPUB; USPAT	OR	ON	2005/04/18 15:31
S27	1	(DC adj offset adj compensat\$5) and (maximum adj identif\$5)	US-PGPUB; USPAT	OR	ON	2005/04/18 16:23
S28	1	"6603807".pn.	US-PGPUB; USPAT	OR	ON	2005/04/18 16:23
S29	0	"375"/\$.ccls. and ((DC adj offset) and (averag\$) adj smpl\$5)	US-PGPUB; USPAT	OR	ON	2005/04/19 11:50
S30	31	"375"/\$.ccls. and ((DC adj offset) and (averag\$) adj sampl\$5)	US-PGPUB; USPAT	OR	ON	2005/04/19 16:26
S31	1	"6611513".pn.	US-PGPUB; USPAT	OR	ON	2005/04/19 14:18
S32	1	"375"/\$.ccls. and (DC adj offset) and (maximum adj (averag\$) adj sampl\$5)	US-PGPUB; USPAT	OR	ON	2005/04/19 16:30
S33	0	"375"/\$.ccls. and (DC adj offset) and (plurality adj (averag\$) adj sampl\$5)	US-PGPUB; USPAT	OR	ON	2005/04/19 16:26
S34	1	"375"/\$.ccls. and (DC adj offset) and (plurality with ((averag\$) adj sampl\$5))	US-PGPUB; USPAT	OR	ON	2005/04/19 16:28

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S35	10	"455"/\$.ccls. and (DC adj offset) and ((averag\$) adj sampl\$5)	US-PGPUB; USPAT	OR	ON	2005/04/19 16:28
S36	47	"375"/\$.ccls. and (DC adj offset) and (bit adj synchroniz\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 11:38
S37	5	("4318617"   "4500837"   "5233312"   "5436590"   "5663989").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/19 16:35
S38	1	(DC adj offset adj estima\$) and (maximum adj averag\$5)	US-PGPUB; USPAT	OR	ON	2005/04/19 16:36
S39	12	(DC adj offset adj estima\$) and (comput\$5 adj averag\$5)	US-PGPUB; USPAT	OR	ON	2005/04/19 16:36
S40	9	("5568520").URPN.	USPAT	OR	ON	2005/04/19 16:42
S41	11	"455"/\$.ccls. and (DC adj offset) and (bit adj synchroniz\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 11:42
S42	0	"375"/\$.ccls. and (DC adj offset) and (DC adj track\$5) and (sequence with accumul\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 11:43
S43	8	"375"/\$.ccls. and (DC adj offset) and (DC adj track\$5) and (accumulators)	US-PGPUB; USPAT	OR	ON	2005/04/21 11:52
S44	1	"375"/\$.ccls. and (DC adj offset) and (DC adj track\$5) and (early adj accumulator) and (late adj accumul\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 11:53
S45	1	"375"/\$.ccls. and (DC adj offset) and (early adj accumulator) and (late adj accumul\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 11:53
S46	1	(DC adj offset) and (early adj accumulator) and (late adj accumul\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 11:53
S47	153	"375"/\$.ccls. and (bit adj synchroniz\$5) and accumulators	US-PGPUB; USPAT	OR	ON	2005/04/21 16:43
S48	0	"375"/\$.ccls. and ((bit adj synchroniz\$5) same (early adj accumulator))	US-PGPUB; USPAT	OR	ON	2005/12/21 17:27
S49	2	"375"/\$.ccls. and ((bit adj synchroniz\$5) and (early adj accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 16:44
S50	3	"375"/\$.ccls. and ((bit adj synchroniz\$5) and (plurality adj accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 16:45
S51	2	"375"/\$.ccls. and ((bit adj synchroniz\$5) and (late adj accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 16:46
S52	4	"375"/\$.ccls. and ((bit adj tim\$5) and (late adj accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 16:49

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S53	0	(DC adj offset) and ((bit adj tim\$5) and (late adj accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 16:49
S54	118	(DC adj offset) and ((bit adj tim\$5) and (accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 16:51
S55	45	(DC adj offset) and ((bit adj synchron\$5) and (accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 17:07
S56	1	"6332008".pn.	US-PGPUB; USPAT	OR	ON	2005/04/21 16:57
S57	19	("5022048"   "5060180"   "5099494"   "5297162"   "5359624"   "5446727"   "5499236"   "5544155"   "5568473"   "5583853"   "5691974"   "5737362"   "5757767"   "5761239"   "5784366"   "5796776"   "5799010"   "5838669"   "5867525").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/21 17:05
S58	1	(DC adj offset) and ((bit adj synchron\$5) and (early adj accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 17:10
S59	1	(DC adj compensat\$5) and ((bit adj synchron\$5) and (early adj accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 17:07
S60	0	(DC adj compensat\$5) and ((bit adj synchron\$5) and (ontime adj accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 17:07
S61	0	(DC adj compensat\$5) and ((bit adj synchron\$5) and (on adj time adj accumulator))	US-PGPUB; USPAT	OR	ON	2005/04/21 17:08
S62	2	(DC adj compensat\$5) and (bit adj synchron\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 17:09
S63	2	(DC adj track\$5) and (bit adj synchron\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 17:09
S64	2	(DC adj tracking) and (bit adj synchron\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 17:09
S65	0	(DC adj tracking) and (bit adj timing)	US-PGPUB; USPAT	OR	ON	2005/04/21 17:10
S66	0	(DC adj compensator) and (bit adj timing)	US-PGPUB; USPAT	OR	ON	2005/04/21 17:10
S67	76	(DC adj offset) and (bit adj synchron\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 17:10
S68	8	(DC adj offset) same (bit adj synchron\$5)	US-PGPUB; USPAT	OR	ON	2005/04/21 17:11
S69	2	(DC adj offset adj compensat\$3) and (DC adj track\$5) and (bit adj sync\$9)	US-PGPUB; USPAT	OR	ON	2005/04/21 17:12
S70	1	"5768323".pn.	US-PGPUB; USPAT	OR	ON	2005/04/22 15:57

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S71	0	"375"/\$.ccls. and (DC adj track\$5) and punctual and early and late and (bit adj synchronizat\$5)	US-PGPUB; USPAT	OR	ON	2005/04/22 15:59
S72	0	"375"/\$.ccls. and (DC adj offset) and punctual and early and late and (bit adj synchronizat\$5)	US-PGPUB; USPAT	OR	ON	2005/04/22 15:59
S73	0	(DC adj offset) and punctual and early and late and (bit adj synchronizat\$5)	US-PGPUB; USPAT	OR	ON	2005/04/22 16:00
S74	0	(DC adj estimat\$5) and punctual and early and late and (bit adj synchronizat\$5)	US-PGPUB; USPAT	OR	ON	2005/04/22 16:00
S75	0	(DC adj offset adj estimat\$5) and (pn adj despreader) and synchronizer	US-PGPUB; USPAT	OR	ON	2005/04/22 16:02
S76	0	(DC adj offset adj estimat\$5) and (despreader) and synchronizer	US-PGPUB; USPAT	OR	ON	2005/04/22 16:02
S77	2	(DC adj offset ) and (despreader) and synchronizer	US-PGPUB; USPAT	OR	ON	2005/04/22 16:02
S78	1	"6141372".pn.	US-PGPUB; USPAT	OR	ON	2005/04/25 09:09
S79	53	(DC adj offset) and (timing adj offset)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:15
S80	4	"375"\$.ccls. and (DC adj offset) and (early same punctual same late)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:16
S81	4	"375"/\$.ccls. and (DC adj offset) and (early same punctual same late)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:19
S82	0	"375"/\$.ccls. and (DC adj offset adj compensta\$5) and (early same punctual same late)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:19
S83	0	(DC adj offset adj compensta\$5) and (early same punctual same late)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:19
S84	0	(DC adj offset adj compensa\$5) and (early same punctual same late)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:19
S85	0	(DC adj offset adj remov\$5) and (early same punctual same late)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:19
S86	0	(DC adj offset adj estimat\$5) and (early same punctual same late)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:19
S87	5	(DC adj offset) and (early same punctual same late)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:28
S88	0	(DC adj track\$5) and (early same punctual same late)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:28
S89	0	(DC adj track\$5) and (early and punctual and late)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:28
S90	3	(DC adj track\$5) and (bit adj synchroniz\$5)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:34

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S91	97	(DC adj track\$5) and (synchroniz\$5)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:49
S92	2	375/355.ccls. and (DC adj track\$5)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:53
S93	9	375/319.ccls. and (bit adj synchroniz\$5)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:51
S94	1	"6643336".pn.	US-PGPUB; USPAT	OR	ON	2005/04/25 09:51
S95	21	"375"/\$.ccls. and (DC adj track\$5)	US-PGPUB; USPAT	OR	ON	2005/04/25 09:53
S96	11	("4105975"   "4238850"   "4318128"   "4480327"   "4510595"   "4520474"   "4870370"   "4956876"   "4982442"   "5140699"   "5239686").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/25 09:57
S97	1	"5867525".pn.	US-PGPUB; USPAT	OR	ON	2005/12/21 17:28
S98	16	("5022048"   "5060180"   "5099494"   "5297162"   "5359624"   "5446727"   "5499236"   "5544155"   "5568473"   "5583853"   "5691974"   "5757767"   "5761239"   "5784366"   "5796776"   "5799010").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 17:30
S99	11	"375"/\$.ccls. and ((DC adj offset) same (bit adj synchroniz\$5))	US-PGPUB; USPAT	OR	ON	2005/12/21 17:52
S10 0	19	"375"/\$.ccls. and ((bit adj synchroniz\$5) same early same late)	US-PGPUB; USPAT	OR	ON	2005/12/21 18:09
S10 1	1	"4766397".pn.	US-PGPUB; USPAT	OR	ON	2005/12/21 18:07
S10 2	1	"4280224".pn.	US-PGPUB; USPAT	OR	ON	2005/12/21 18:07
S10 3	17	("4280224").URPN.	USPAT	OR	ON	2005/12/21 18:07
S10 4	0	((bit adj synchroniz\$5) same early same (on adj time) same late)	US-PGPUB; USPAT	OR	ON	2005/12/21 18:10
S10 5	19	((bit adj synchroniz\$5) same early same (on time) same late)	US-PGPUB; USPAT	OR	ON	2005/12/21 18:18
S10 6	0	((bit adj synchroniz\$5) same early same (ontime) same late)	US-PGPUB; USPAT	OR	ON	2005/12/21 18:10
S10 7	4	("3800227"   "5566214"   "5768323"   "6415004").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 18:18
S10 8	0	"5654".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 18:18

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S10 9	1	"5654991".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 18:18
S11 0	1	((bit adj synchroniz\$5) same early same (on time) same late) and (DC adj offset)	US-PGPUB; USPAT	OR	ON	2005/12/21 18:19
S11 1	4	((bit adj synchroniz\$5) and (early same (on time) same late) and (DC adj offset))	US-PGPUB; USPAT	OR	ON	2005/12/21 18:22
S11 2	1	(bit adj synchronizer) and (early with (on time) with late) and (DC adj offset)	US-PGPUB; USPAT	OR	ON	2005/12/21 18:20
S11 3	1	(bit adj synchronizer) and (early with (late)) and (DC adj offset)	US-PGPUB; USPAT	OR	ON	2005/12/21 18:21
S11 4	1	"5629960".pn.	US-PGPUB; USPAT	OR	ON	2005/12/21 18:21
S11 5	11	("4105975"   "4238850"   "4318128"   "4480327"   "4510595"   "4520474"   "4870370"   "4956876"   "4982442"   "5140699"   "5239686").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 18:21
S11 6	13	((bit adj synchroniz\$5) same (DC adj offset))	US-PGPUB; USPAT	OR	ON	2005/12/21 18:26
S11 7	1	"5654991".pn.	US-PGPUB; USPAT	OR	ON	2005/12/21 18:24
S11 8	0	((bit adj synchronizer) same (DC adj offset)) and (direct adj sequence)	US-PGPUB; USPAT	OR	ON	2005/12/21 18:26
S11 9	5	((bit adj synchronizer) same (DC adj offset))	US-PGPUB; USPAT	OR	ON	2005/12/21 18:28
S12 0	1	"5629960".pn.	US-PGPUB; USPAT	OR	ON	2005/12/21 18:27
S12 1	0	((bit adj synchronizer) same (DC adj offset adj recove\$5))	US-PGPUB; USPAT	OR	ON	2005/12/21 18:28
S12 2	0	((bit adj synchronizer) and (DC adj offset adj remo\$5))	US-PGPUB; USPAT	OR	ON	2005/12/21 18:28
S12 3	2	((bit adj synchronizer) and (DC adj offset adj estima\$5))	US-PGPUB; USPAT	OR	ON	2005/12/21 18:29
S12 4	2	375/319.ccls. and ((bit adj synchronizer))	US-PGPUB; USPAT	OR	ON	2005/12/21 18:30
S12 5	9	375/319.ccls. and ((bit adj synchroniz\$5))	US-PGPUB; USPAT	OR	ON	2005/12/21 18:32
S12 6	7	375/319.ccls. and (bit adj synchroniz\$5) and (DC)	US-PGPUB; USPAT	OR	ON	2005/12/23 14:02
S12 7	53	"375"/\$.ccls. and (bit adj synchroniz\$5) and (DC adj offset)	US-PGPUB; USPAT	OR	ON	2005/12/21 18:39



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S12 8	32	"375"/\$.ccls. and (bit adj synchroniz\$5) and (AC adj coupl\$5)	US-PGPUB; USPAT	OR	ON	2005/12/21 18:44
S12 9	1	"5629960".pn.	US-PGPUB; USPAT	OR	ON	2005/12/21 18:44
S13 0	1	"5654991".pn.	US-PGPUB; USPAT	OR	ON	2005/12/23 12:23
S13 1	6	"375"/\$.ccls. and (bit adj synchroniz\$5) and (DC adj offset) and pilot	US-PGPUB; USPAT	OR	ON	2005/12/23 14:04
S13 2	4	"375"/\$.ccls. and (symbol adj recovery) and (DC adj offset) and pilot	US-PGPUB; USPAT	OR	ON	2005/12/23 14:04
S13 3	47	"375"/\$.ccls. and (symbol adj timing) and (DC adj offset) and pilot	US-PGPUB; USPAT	OR	ON	2005/12/23 14:05
S13 4	2	"375"/\$.ccls. and (symbol adj timing) same (DC adj offset) same pilot	US-PGPUB; USPAT	OR	ON	2005/12/23 14:05
S13 5	2	(symbol adj timing) same (DC adj offset) same pilot	US-PGPUB; USPAT	OR	ON	2005/12/23 14:07
S13 6	124	(DC adj offset) same pilot	US-PGPUB; USPAT	OR	ON	2005/12/23 14:07
S13 7	8	375/319.ccls. and (DC adj offset) same pilot	US-PGPUB; USPAT	OR	ON	2005/12/23 14:08
S13 8	1	375/319.ccls. and ((symbol adj timing) same pilot)	US-PGPUB; USPAT	OR	ON	2005/12/23 14:08
S13 9	0	375/319.ccls. and (( timing adj recovery) same pilot)	US-PGPUB; USPAT	OR	ON	2005/12/23 14:09
S14 0	2	375/319.ccls. and (bit adj synchronizer)	US-PGPUB; USPAT	OR	ON	2005/12/23 14:09
S14 1	0	375/355.ccls. and ((bit adj synchronizer) same pilot)	US-PGPUB; USPAT	OR	ON	2005/12/23 14:12
S14 2	1	375/355.ccls. and ((bit adj synchronizer) and pilot)	US-PGPUB; USPAT	OR	ON	2005/12/23 14:11
S14 3	1	"6370205".pn.	US-PGPUB; USPAT	OR	ON	2005/12/23 14:11
S14 4	11	("4873702"   "4887050"   "5241702"   "5319679"   "5442655"   "5724653"   "5748681"   "5754595"   "6311051"   "6327315"   "6337855").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/23 14:11
S14 5	0	375/355.ccls. and ((DC near cancel\$5) same pilot)	US-PGPUB; USPAT	OR	ON	2005/12/23 14:12
S14 6	0	375/355.ccls. and ((DC near cancel\$5) same pilot)	US-PGPUB; USPAT	OR	ON	2005/12/23 14:12
S14 7	0	375/355.ccls. and ((DC near cancellation) same pilot)	US-PGPUB; USPAT	OR	ON	2005/12/23 14:12
S14 8	11	375/355.ccls. and ((DC ) same pilot)	US-PGPUB; USPAT	OR	ON	2005/12/23 14:13

## EAST Search History

S14 9	1	"5654991".pn.	US-PGPUB; USPAT	OR	ON	2005/12/26 08:49
S15 0	1	((DC adj offset) near2 tracking\$5) and (bit adj synchron\$5)	US-PGPUB; USPAT	OR	ON	2006/06/26 16:09
S15 1	1	"5654991".pn.	US-PGPUB; USPAT	OR	ON	2006/06/26 16:09
S15 2	23	((bit adj synchroniz\$5) and (early same (on time) same late) same (averag\$8))	US-PGPUB; USPAT	OR	ON	2006/06/26 16:16
S15 3	0	((bit adj synchroniz\$5) and (early same (on time) same late same accumulator) same (averag\$8))	US-PGPUB; USPAT	OR	ON	2006/06/26 16:16
S15 4	0	((bit adj synchroniz\$5) and (early same (on adj time) same late same accumulator) )	US-PGPUB; USPAT	OR	ON	2006/06/26 16:16
S15 5	0	(bit adj synchroniz\$5) and (early same (on adj time) same late same accumulator)	US-PGPUB; USPAT	OR	ON	2006/06/26 16:17
S15 6	0	(bit adj synchroniz\$5) and ((early with accumulator) same average)	US-PGPUB; USPAT	OR	ON	2006/06/26 16:17
S15 7	5	"375"/\$.ccls. and ((early with accumulator) same average)	US-PGPUB; USPAT	OR	ON	2006/06/26 16:19
S15 8	2	"375"/\$.ccls. and ((early with accumulator) with average)	US-PGPUB; USPAT	OR	ON	2006/06/26 16:21
S15 9	2	((early with accumulator) with average)	US-PGPUB; USPAT	OR	ON	2006/06/26 16:21
S16 0	2	((early with accumulator) with avera\$6)	US-PGPUB; USPAT	OR	ON	2006/06/26 16:23
S16 1	6	((early with accumulator) same avera\$6)	US-PGPUB; USPAT	OR	ON	2006/06/26 16:26
S16 2	1772	((averag\$8 with accumulator) )	US-PGPUB; USPAT	OR	ON	2006/06/26 16:26
S16 3	280	"375"/\$.ccls. and ((averag\$8 with accumulator) )	US-PGPUB; USPAT	OR	ON	2006/06/26 16:39
S16 4	12	"375"/\$.ccls. and ((early with accumulator) same (late adj accumulator))	US-PGPUB; USPAT	OR	ON	2006/06/26 16:39
S16 5	2	10/035567	US-PGPUB; USPAT	OR	ON	2006/06/27 07:52
S16 6	3	"375"/\$.ccls. and ((DC adj offset) same (accumulator with averag\$8))	US-PGPUB; USPAT	OR	ON	2006/06/27 07:54
S16 7	0	"375"/\$.ccls. and ((DC adj offset) and ((early adj accumulator) with averag\$8))	US-PGPUB; USPAT	OR	ON	2006/06/27 07:55

## EAST Search History

S16 8	0	"375"/\$.ccls. and ((DC adj offset) and ((on adj time adj accumulator) with averag\$8))	US-PGPUB; USPAT	OR	ON	2006/06/27 07:59
S16 9	0	"375"/\$.ccls. and ((on adj time adj accumulator) same (early adj accumulator) same (late adj accumulator))	US-PGPUB; USPAT	OR	ON	2006/06/27 08:00
S17 0	0	((on adj time adj accumulator) same (early adj accumulator) same (late adj accumulator))	US-PGPUB; USPAT	OR	ON	2006/06/27 08:00
S17 1	67	((accumulators) same (bit adj synchron\$8))	US-PGPUB; USPAT	OR	ON	2006/06/27 08:01
S17 2	0	((plurality adj accumulator) same (bit adj synchron\$8))	US-PGPUB; USPAT	OR	ON	2006/06/27 08:01
S17 3	5	("5654991").URPN.	USPAT	OR	ON	2006/06/27 08:07
S17 4	10915	DC adj offset	US-PGPUB; USPAT	OR	ON	2006/07/04 09:11
S17 5	641	plurality adj accumulators	US-PGPUB; USPAT	OR	ON	2006/07/04 09:19
S17 6	16	S174 and S175	US-PGPUB; USPAT	OR	ON	2006/07/04 09:11
S17 7	11	("20020160734"   "5459679"   "5754595"   "6009126"   "6114980"   "6166668"   "6225848"   "6285958"   "6327313"   "6356217"   "6614806").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 09:15
S17 8	9	S175 and (timing adj recover\$8)	US-PGPUB; USPAT	OR	ON	2006/07/04 09:19
S17 9	0	((DC adj offset) same (early adj accumulator))	US-PGPUB; USPAT	OR	ON	2006/07/04 09:35
S18 0	19	((DC adj offset) and (plurality near accumulator))	US-PGPUB; USPAT	OR	ON	2006/07/04 09:36
S18 1	9	((timing adj recovery) and (plurality near accumulator))	US-PGPUB; USPAT	OR	ON	2006/07/04 09:38
S18 2	129	((DC adj offset) same (accumulator))	US-PGPUB; USPAT	OR	ON	2006/07/04 09:47
S18 3	0	((early adj accumulator) same (on adj time adj accumulator))	US-PGPUB; USPAT	OR	ON	2006/07/04 09:47
S18 4	1	((early adj accumulator) same (timing))	US-PGPUB; USPAT	OR	ON	2006/07/04 09:48
S18 5	8	((early adj accumulator) and (timing))	US-PGPUB; USPAT	OR	ON	2006/07/04 09:49
S18 6	1	"6999527".pn.	US-PGPUB; USPAT	OR	ON	2006/07/04 09:50

## EAST Search History

S18 7	6	("4941155"   "5276706"   "6566941"   "6597733"   "6693590"   "6873666").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 09:50
S18 8	4	("4146841"   "4941155"   "5892803"   "6212246").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:01
S18 9	1	"5629960".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:01
S19 0	11	("4105975"   "4238850"   "4318128"   "4480327"   "4510595"   "4520474"   "4870370"   "4956876"   "4982442"   "5140699"   "5239686").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:03
S19 1	12	(phase adj modulat\$5) and (DC adj track\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:04
S19 2	5	("5629960").URPN.	USPAT	OR	ON	2006/07/04 10:16
S19 3	5	early adj accumulator	USPAT	OR	ON	2006/07/04 10:17
S19 4	0	on adj time adj accumulator	USPAT	OR	ON	2006/07/04 10:17
S19 5	0	ontime adj accumulator	USPAT	OR	ON	2006/07/04 10:17
S19 6	12	late adj accumulator	USPAT	OR	ON	2006/07/04 10:17
S19 7	16	("5022048"   "5060180"   "5099494"   "5297162"   "5359624"   "5446727"   "5499236"   "5544155"   "5568473"   "5583853"   "5691974"   "5757767"   "5761239"   "5784366"   "5796776"   "5799010").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:24
S19 8	0	(early adj accumulator) same (on adj time)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:25
S19 9	4	(early adj accumulator) same (on time)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:26
S20 0	0	(early same late same (ontime) same (timing adj recovery))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:26
S20 1	0	(early same late same (on adj time) same (timing adj recovery))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:27
S20 2	0	(early same late same (on adj time) same (DC adj offset))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:27

## EAST Search History

S20 3	0	(early same late same (ontime) same (DC adj offset))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:27
S20 4	26	(early same late same (ontime) )	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:30
S20 5	0	(symbol adj timing adj recovery) same (DC near track\$8) same (\$2PSK)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:31
S20 6	0	((symbol adj timing adj recovery) same (DC near track\$8)) and (\$2PSK)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:31
S20 7	0	((timing adj recovery) same (DC near track\$8)) and (\$2PSK)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:32
S20 8	10	((timing adj recovery) same (DC near offset)) and (\$2PSK)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:34
S20 9	106	((timing adj recovery) and (DC near offset)) and (\$2PSK)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:37
S21 0	5	((timing adj recovery) and (DC near offset) adj compens\$6) and (\$2PSK)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:37
S21 1	2	((synchronizer) and (DC near offset) adj compens\$6) and (\$2PSK)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:38
S21 2	10	((synchronizer) and (DC near offset) adj compens\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:39
S21 3	1	"6449320".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/04 10:39
S21 4	3	375/319.ccls. and (DC adj compensat\$5) and (bit adj synchron\$5)	US-PGPUB; USPAT	OR	ON	2006/07/05 08:50
S21 5	1	"5629960".pn.	US-PGPUB; USPAT	OR	ON	2006/07/05 08:48
S21 6	11	("4105975"   "4238850"   "4318128"   "4480327"   "4510595"   "4520474"   "4870370"   "4956876"   "4982442"   "5140699"   "5239686").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/05 08:48
S21 7	1	"6643336".pn.	US-PGPUB; USPAT	OR	ON	2006/07/05 08:49

## EAST Search History

S21 8	24	("4405829"   "5241702"   "5276706"   "5422917"   "5490139"   "5572528"   "5636216"   "5638399"   "5652751"   "5696903"   "5699353"   "5708655"   "5742598"   "5754547"   "5809009"   "5812531"   "5825772"   "5835061"   "5845081"   "5850592"   "5854899"   "5983098"   "6255800"   "6353641"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/05 08:50
S21 9	3	375/319.ccls. and (bit adj synchron\$5)	US-PGPUB; USPAT	OR	ON	2006/07/05 08:50
S22 0	0	375/319.ccls. and (dpsk)	US-PGPUB; USPAT	OR	ON	2006/07/05 08:51
S22 1	20	375/319.ccls. and (Phase adj shift\$3 adj key\$4)	US-PGPUB; USPAT	OR	ON	2006/07/05 09:37
S22 2	0	375/319.ccls. and ((DC adj track\$8) same (Phase adj shift\$3 adj key\$4))	US-PGPUB; USPAT	OR	ON	2006/07/05 09:38
S22 3	0	375/319.ccls. and ((DC adj track\$8) and (Phase adj shift\$3 adj key\$4))	US-PGPUB; USPAT	OR	ON	2006/07/05 09:38
S22 4	2	"375"/\$.ccls. and ((DC adj track\$8) and (Phase adj shift\$3 adj key\$4))	US-PGPUB; USPAT	OR	ON	2006/07/05 09:47
S22 5	0	"375"/\$.ccls. and ((DC adj track\$8 adj loop) and (Phase adj shift\$3 adj key\$4))	US-PGPUB; USPAT	OR	ON	2006/07/05 09:39
S22 6	1	((DC adj track\$8 adj loop) and (Phase adj shift\$3 adj key\$4))	US-PGPUB; USPAT	OR	ON	2006/07/05 09:39
S22 7	1	((DC adj track\$8 adj loop) and (symbol adj recovery))	US-PGPUB; USPAT	OR	ON	2006/07/05 09:40
S22 8	0	((DC adj track\$8 adj loop) and (timing adj recovery))	US-PGPUB; USPAT	OR	ON	2006/07/05 09:40
S22 9	0	((DC adj track\$8) near loop) and (timing adj recovery)	US-PGPUB; USPAT	OR	ON	2006/07/05 09:40
S23 0	2	((DC adj track\$8) near loop) and (synchronizer)	US-PGPUB; USPAT	OR	ON	2006/07/05 09:41
S23 1	6	((DC adj track\$8) near loop)	US-PGPUB; USPAT	OR	ON	2006/07/05 09:41
S23 2	5	((DC adj offset) ) same (symbol adj recover\$5)	US-PGPUB; USPAT	OR	ON	2006/07/05 09:43
S23 3	111	((DC adj offset) ) same (timing adj recover\$5)	US-PGPUB; USPAT	OR	ON	2006/07/05 10:48
S23 4	79	"375"/\$.ccls. and (plurality near accumulators) and timing	US-PGPUB; USPAT	OR	ON	2006/07/05 09:49
S23 5	11	"375"/\$.ccls. and ((plurality near accumulators) same timing)	US-PGPUB; USPAT	OR	ON	2006/07/05 09:48

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S23 6	9	"375"/\$.ccls. and (plurality near accumulators) and (timing adj recovery)	US-PGPUB; USPAT	OR	ON	2006/07/05 09:54
S23 7	50	"375"/\$.ccls. and (accumulators with averag\$8) and (timing adj recovery)	US-PGPUB; USPAT	OR	ON	2006/07/05 09:59
S23 8	4	"375"/319.ccls. and (accumulators with averag\$8)	US-PGPUB; USPAT	OR	ON	2006/07/05 10:00
S23 9	280	"375"/\$.ccls. and (accumulators with averag\$8)	US-PGPUB; USPAT	OR	ON	2006/07/05 10:00
S24 0	2	"375"/\$.ccls. and (accumulators with averag\$8 with early)	US-PGPUB; USPAT	OR	ON	2006/07/05 10:08
S24 1	1	"5654991".pn.	US-PGPUB; USPAT	OR	ON	2006/07/05 10:46
S24 2	1	"5629960".pn.	US-PGPUB; USPAT	OR	ON	2006/07/05 10:47
S24 3	3	((DC adj offset) ) same (bit adj timing )	US-PGPUB; USPAT	OR	ON	2006/07/05 11:00
S24 4	0	((DC near track\$6) ) same (bit adj timing )	US-PGPUB; USPAT	OR	ON	2006/07/05 11:00
S24 5	3	((DC near track\$6) ) same (bit adj synchron\$8 )	US-PGPUB; USPAT	OR	ON	2006/07/05 11:01
S24 6	5	(DC adj track\$6) adj loop	US-PGPUB; USPAT	OR	ON	2006/07/05 11:02
S24 7	25	"375"/\$.ccls. and (DC adj track\$6)	US-PGPUB; USPAT	OR	ON	2006/07/05 11:05
S24 8	57	"375"/\$.ccls. and (DC adj offset) and (bit adj synchroniz\$8)	US-PGPUB; USPAT	OR	ON	2006/07/05 13:25
S24 9	14	"375"/\$.ccls. and ((DC adj offset) same (bit adj synchroniz\$8))	US-PGPUB; USPAT	OR	ON	2006/07/05 11:09
S25 0	2	"375"/\$.ccls. and ((DC adj offset) same (early same late))	US-PGPUB; USPAT	OR	ON	2006/07/05 12:07
S25 1	1	"6873666".pn.	US-PGPUB; USPAT	OR	ON	2006/07/05 13:11
S25 2	25	"375"/\$.ccls. and ((DC adj offset) same (delta adj sigma))	US-PGPUB; USPAT	OR	ON	2006/07/05 13:29
S25 3	6	"375"/\$.ccls. and ((DC adj offset) same (bit adj error) same degradation)	US-PGPUB; USPAT	OR	ON	2006/07/05 13:29
S25 4	1	"3883807".pn.	US-PGPUB; USPAT	OR	ON	2006/07/05 16:38
S25 5	1	"4163259".pn.	US-PGPUB; USPAT	OR	ON	2006/07/05 16:38
S25 6	93	(DC adj offset) and (bit adj synchron\$5)	US-PGPUB; USPAT	OR	ON	2007/02/22 14:35

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S25 7	10	(DC adj offset) same (bit adj synchron\$5)	US-PGPUB; USPAT	OR	ON	2007/02/22 14:40
S25 8	1	"7035350".pn.	US-PGPUB; USPAT	OR	ON	2007/02/22 14:38
S25 9	7	("20030076905"   "5629960"   "6643336"   "6654593"   "6697098"   "6714774"   "6760705").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/22 14:38
S26 0	9	(DC adj offset) same (early same late)	US-PGPUB; USPAT	OR	ON	2007/02/22 14:43
S26 1	16	("20020021470"   "20030007222"   "20040062336"   "4105975"   "5012494"   "5757857"   "5757868"   "6178213"   "6337650"   "6392457"   "6404363"   "6462593"   "6463109"   "6628112"   "6680654"   "6737995"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/22 14:41
S26 2	60	(DC adj offset) and (early with late with timing)	US-PGPUB; USPAT	OR	ON	2007/02/22 14:44
S26 3	29	("4630283"   "4785463"   "4794341"   "5029180"   "5056106"   "5099493"   "5103459"   "5146741"   "5157686"   "5161168"   "5166951"   "5166952"   "5185762"   "5189683"   "5193102"   "5208829"   "5210770"   "5224120"   "5224122"   "5228053"   "5235612"   "5253268"   "5267271"   "5280472"   "5289499"   "5295153"   "5457713"   "5504785"   "5566173").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/22 15:37
S26 4	472	375/376.ccls. and (pll same delay)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/22 15:37